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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/693,429
Filing Date	2003-10-23
First Named Inventor	WALTON, J. Rodney
Art Unit	2467
Examiner Name	MARCUS SMITH

Sheet

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of

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Attorney Docket No: 030417

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2/If known}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US5818813	10-06-1998	SAITO; Masafumi et al.	
	002	US5973638	10-26-1999	ROBBINS; David F. et al.	
	003	US6097771	08-01-2000	FOSCHINI; Gerard Joseph	
	004	US6115354	09-05-2000	WECK; Christfried	
	005	US6141542	10-31-2000	KOTZIN; Michael D. et al.	
	006	US6317612	11-13-2001	FARSAKH; Christof	
	007	US6345036	02-05-2002	SUDO; Hiroaki et al.	
	008	US6492942	12-10-2002	KEZYS; Vytaus	
	009	US6545997	04-08-2003	BOHNKE; Ralf et al.	
	010	US6597682	07-22-2003	KARI; Hannu	
	011	US6728233	04-27-2004	PARK; Jin-Soo et al.	
	012	US6785513	08-31-2004	SIVAPRAKASAM; Srinivas	
	013	US6990059	01-24-2006	ANIKHINDI; Santosh et al.	
	014	US6992972	01-31-2006	VAN NEE; Richard	
	015	US7006483	02-28-2006	NELSON; Jr. George	
	016	US7009931	03-07-2006	Rodney et al.	
	017	US7068628	06-27-2006	MA; Jianglei et al.	
	018	US7492737	02-17-2009	FONG; Mo-Han et al.	
	019	US20020003774	01-10-2002	WANG; Zhaocheng et al.	
	020	US20020064214	05-30-2002	HATTORI; Toshihiro et al.	
	021	US20020184453	12-05-2002	HUGHES; Suzanne M. et	

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PTO/SB/08a (07-09)

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				Examiner Name MARCUS SMITH
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		Country Code ³ , Number ⁴ Kind Code ⁵ (if known)				
	028	AU2002259221	11-25-2002	QUALCOMM INC.		□
	029	CN1489836A	04-14-2004	MATSUSHITA ELECTRIC IND. CO., LTD.		☒
	030	EP0762701A2	03-12-1997	ADVANCED DIGITAL TELEVISION BR [JP]		□
	031	EP0929172A1	07-14-1999	LUCENT TECHNOLOGIES INC [US]		□

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		Country Code ³ -Number ⁴ /Kind Code ⁵ (if known)			
	032	EP1061446	12-20-2000	SUN MICROSYSTEMS, INC.	<input type="checkbox"/>
	033	EP1185015	03-06-2002	ALCATEL (FR)	<input type="checkbox"/>
	034	EP1265411	12-11-2002	SONY DEUTSCHLAND GMBH.	<input type="checkbox"/>
	035	EP1315311A1	05-28-2003	FUJITSU LTD [JP]	<input type="checkbox"/>
	036	EP1379020	01-07-2004	NATIONAL UNIVERSITY OF SINGAPORE.	<input type="checkbox"/>
	037	EP1387545A2	02-04-2004	SAMSUNG ELECTRONICS CO LTD [KRI]	<input type="checkbox"/>
	038	EP1556984A2	07-27-2005	QUALCOMM INC [US]	<input type="checkbox"/>
	039	GB2373973A	10-02-2002	TOSHIBA RESEARCH EUROPE LIMITED.	<input type="checkbox"/>
	040	JP03104430	05-01-1991	NIPPON TELEGRAPH & TELEPHONE.	<input checked="" type="checkbox"/>
	041	JP09327073	12-16-1997	N T T I DO TSUSHIMONO KK.	<input checked="" type="checkbox"/>
	042	JP1028077	01-27-1998	SATO TAKURO WATANABE SOICHI ABE TAKEO.	<input checked="" type="checkbox"/>
	043	JP10327126	12-08-1998	LCENT TECHNOLOGIES, INC.	<input checked="" type="checkbox"/>
	044	JP11252037A	09-17-1999	LCENT TECHNOLOGIES INC.	<input checked="" type="checkbox"/>
	045	JP2000092009A	03-31-2000	SONY CORP.	<input checked="" type="checkbox"/>
	046	JP2001231074	08-24-2001	NORTEL NETWORKS LTD.	<input checked="" type="checkbox"/>

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				First Named Inventor	WALTON, J. Rodney
				Art Unit	2467
				Examiner Name	MARCUS SMITH
Sheet	4	of	7	Attorney Docket No: 030417	

FOREIGN PATENT DOCUMENTS					
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		Country Code ³ - Number ⁴ Kind Code ⁵ (if known)			
	047	JP200186045	03-30-2001	LUCENT TECHNOLOGIES, INC.	<input checked="" type="checkbox"/>
	048	JP2002111627	04-12-2002	SONY INTERNATL EUROP GMBH.	<input checked="" type="checkbox"/>
	049	JP2002164814	06-07-2002	NIPPON SOKEN et al	<input checked="" type="checkbox"/>
	050	JP2002204217	07-19-2002	NTT DOCOMO INC.	<input checked="" type="checkbox"/>
	051	JP200264879	02-28-2002	SK TELECOM CO LTD.	<input checked="" type="checkbox"/>
	052	JP200277098	03-15-2002	MITSUBISHI ELECTRIC CORP.	<input checked="" type="checkbox"/>
	053	JP200277104	03-15-2002	MITSUBISHI ELECTRIC CORP.	<input checked="" type="checkbox"/>
	054	JP2003504941	02-04-2003	SAMSUNG ELECTRONICS CO LTD.	<input checked="" type="checkbox"/>
	055	JP9266466A	10-07-1997	SUMITOMO ELECTRIC IND LTD.	<input checked="" type="checkbox"/>
	056	JP9512156T	12-02-1997	KONLE TILMAR [DE]	<input checked="" type="checkbox"/>
	057	KR1020020003370	01-12-2002	NTT DOCOMO, INC.	<input type="checkbox"/>
	058	KR20060095576A	08-31-2006	QUALCOMM INC.	<input type="checkbox"/>
	059	RU21411168C1	11-10-1999	MOTOROLA LTD.	<input checked="" type="checkbox"/>
	060	RU2149509	05-20-2000	QUALCOMM INCORPORATED.	<input checked="" type="checkbox"/>
	061	RU2335852C2	10-10-2008	QUALCOMM INC.	<input checked="" type="checkbox"/>
	062	WO02065664A2	08-22-2002	QUALCOMM INC [US]	<input type="checkbox"/>
	063	WO02082689A2	10-17-2002	MOTOROLA INC [US]	<input type="checkbox"/>
	064	WO02099992A1	12-12-2002	QUALCOMM INC [US]	<input type="checkbox"/>

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065	WO03028153A1		04-03-2003	ARRAYCOMM INC [US]		<input type="checkbox"/>
066	WO03047140A1		06-05-2003	FUJITSU LIMITED.		<input type="checkbox"/>
067	WO04002047		12-31-2003	QUALCOMM INC [US]		<input type="checkbox"/>
				THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY,US.		<input type="checkbox"/>
068	WO199809395		03-05-1998			<input type="checkbox"/>
069	WO2004002011		12-31-2003	QUALCOMM INCORPORATED.		<input type="checkbox"/>
070	WO9824192A1		06-04-1998	TRW INC [US]		<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	071	DIGGAVI, S. et al., "intercarrier interference in MIMO OFDM," IEEE International Conference on Communications, 2002, Vol. 1, 485-489.	<input type="checkbox"/>
	072	ISERTE et al., "Joint beamforming strategies in OFDM-MIMO systems," 2002, sections 2 and 3, Department of Signal Theory and Communications.	<input type="checkbox"/>
	073	LEBRUN G., et al., "MIMO transmission over a time varying TDD channel using SVD," Electronics Letters, 2001, Vol. 37, 1363-1364.	<input type="checkbox"/>
	074	LI et al., "Simplified Channel Estimation for OFDM Systems with Multiple Transmit Antennas," IEEE Transactions on Wireless Communications, January 2002, Vol. 1, No. 1,	<input type="checkbox"/>

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		67-75.	
	075	SAMPATH H., et al., "Joint transmit and receive optimization for high data rate wireless communication using multiple antennas, XP010373976," 2002, 215-219.	<input type="checkbox"/>
	076	WONG K. K., et al., "Optimizing time and space MIMO antenna system for frequency selective fading channels," 2001, Sections II and III and V, 1396.	<input type="checkbox"/>
			<input type="checkbox"/>

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